

Resolver Cuadráticas (E)

Resuelva cada ecuación en función de x.

1. $2x^2 - 7x - 6 = 9$

7. $-2x^2 + 6x - 2 = 2$

2. $4x^2 + 14x + 4 = -2$

8. $2x^2 - 7x - 3 = 1$

3. $-2x^2 + x + 5 = -1$

9. $2x^2 - 8x - 12 = 30$

4. $x^2 - x - 1 = 1$

10. $-x^2 + 3x + 10 = 0$

5. $2x^2 - 22x + 47 = -1$

11. $-x^2 - x + 2 = -4$

6. $-2x^2 + 7x + 7 = -8$

12. $2x^2 + 21x + 41 = -8$

Resolver Cuadráticas (E) Respuestas

Resuelva cada ecuación en función de x.

1. $2x^2 - 7x - 6 = 9$
 $2x^2 - 7x - 15 = 0$
 $(2x + 3)(x - 5) = 0$
 $x = -1 \frac{1}{2}, 5$

2. $4x^2 + 14x + 4 = -2$
 $4x^2 + 14x + 6 = 0$
 $(2x + 1)(2x + 6) = 0$
 $x = -1/2, -3$

3. $-2x^2 + x + 5 = -1$
 $-2x^2 + x + 6 = 0$
 $(2x + 3)(x - 2) = 0$
 $x = -1 \frac{1}{2}, 2$

4. $x^2 - x - 1 = 1$
 $x^2 - x - 2 = 0$
 $(x + 1)(x - 2) = 0$
 $x = -1, 2$

5. $2x^2 - 22x + 47 = -1$
 $2x^2 - 22x + 48 = 0$
 $(2x - 6)(x - 8) = 0$
 $x = 3, 8$

6. $-2x^2 + 7x + 7 = -8$
 $-2x^2 + 7x + 15 = 0$
 $(2x + 3)(x - 5) = 0$
 $x = -1 \frac{1}{2}, 5$

7. $-2x^2 + 6x - 2 = 2$
 $-2x^2 + 6x - 4 = 0$
 $-(x - 1)(2x - 4) = 0$
 $x = 1, 2$

8. $2x^2 - 7x - 3 = 1$
 $2x^2 - 7x - 4 = 0$
 $(x - 4)(2x + 1) = 0$
 $x = 4, -1/2$

9. $2x^2 - 8x - 12 = 30$
 $2x^2 - 8x - 42 = 0$
 $(2x + 6)(x - 7) = 0$
 $x = -3, 7$

10. $-x^2 + 3x + 10 = 0$
 $-x^2 + 3x + 10 = 0$
 $-(x + 2)(x - 5) = 0$
 $x = -2, 5$

11. $-x^2 - x + 2 = -4$
 $-x^2 - x + 6 = 0$
 $-(x - 2)(x + 3) = 0$
 $x = 2, -3$

12. $2x^2 + 21x + 41 = -8$
 $2x^2 + 21x + 49 = 0$
 $(2x + 7)(x + 7) = 0$
 $x = -3 \frac{1}{2}, -7$